32035 P/008/62/000/001/001/005 D269/D303

Application of exhaust ...

 ${\rm CO}_{2}$ analysis and to 12 v d.c. for ${\rm CO}$ + ${\rm H}_{2}$ analysis; from the galvanometer of the CO2 analyzer a series resistance was deleted and in the $co+H_2$ analyzer a switch was fitted into the galvanometer shunting circuit. These conversions gave double magnification of the readings. The following gas flow circuit was used: Gas from the sampling probe was made to flow through a radiator, drier, filter, a throttle valve and a flowmeter to the CO + H2 analyzer; from there the gas passed through a furnace at 300°C where the oxidation of CO and H2 took place, platinum being used as catalyst. From the furnace the gas was passed through a second drier to the ${\rm CO_2}$ analyzer and then to the pressure gauge and atmosphere. To measure the excess air required for complete combustion, immediately after the probe two tubular furnaces were used, one working at 1000°C with platinum catalyst and the other filled with copper oxide and heated to 850°C. The circuit used allowed an analysis of the primary zone,

Card 2/4

Application of exhaust ...

32035 P/008/62/000/001/001/005 D269/D303

as well as an estimation of the combustion efficiency. Double magnification of readings resulted in better than 2% accuracy covering a wide range of measurements. The main disadvantage of the system was its high inertia. Each measurement took 5 - 8 minutes. Sampling methods and efficiency are discussed. Examples of application of the exhaust gas analysis include estimation of combustion efficiency, of the temperature of the exhaust gas, and investigation of the primary zone. In estimating exhaust gas temperature, a heat balance equation is derived, assuming an adiabatic combustion process. From this equation the temperature is calculated using a step-by-step method. The author concludes that although the cost of a first class apparatus is high and investigations of combustion processes are lengthy, they are economically justified. There are 15 figures and 11 references: 2 Soviet-bloc and 9 non-Soviet-bloc. The 4 most recent references to the Englishlanguage publications read as follows: B. Toone and F. Arkles, "The application of Gas Analysis to Combustion Chamber Development", Seventh Symposium (International) on Combustion (1959), London But. Scient. Publ.; F. H. Holderness and J. J. Macfarlane. "The Conti-

Application of exhaust ...

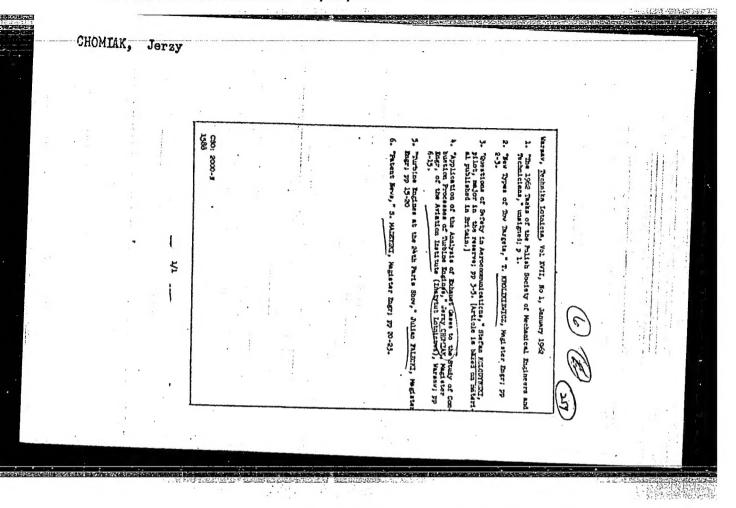
32035 P/008/62/000/001/01/005 D269/D303

nuous Flow Instrumental Analysis of Flame Gases". Seventh Symposium (International) on Combustion (1959), London But. Scient. Publ.; E. F. Hill et al., SAE Journal, Jan. 1958; R. Friedman an E. R. Carlson, NACA Tech. Note 3566, Sept. 1955.

ASSOCIATION: Instytut lotnictwa, Warszawa (Institute of Aviation, Warsaw)

Card 4/4

X



117350

43091 P/033/62/014/003/010/011 D237/D308

AUTHOR:

Chomiak, J. (Warsaw)

TITLE:

Oscillations of a viscous liquid drop in a turbulent

PERIODICAL:

Archiwum Mechaniki Stosowanej, v. 14, no. 3-4, 1962,

TEXT: The author obtains the equation for small oscillations of a drop with low viscosity in vacuum and then considers the influence of the external flow of gas on the oscillations of the drop. The flow is turbulent and consists of the part causing the oscillations and of the part induced by the oscillations. Dissipation of energy in nonviscous compressible and viscous incompressible media is then investigated, and corresponding equations of motion of the drop obtained together with the expressions for energy dissipation. The influence of the compressibility factor on the oscillations is negligible. The critical drop radius, below which the motion is not periodic, is $r_{cr} = (n-1)(2n+1)^2 v^2 \rho/n(n+2)T$, where T

Oscillations of a viscous ...

P/033/62/014/003/010/011 D237/D308

is the surface energy. Oscillation spectra are plotted for the drop of kerosene in the turbulent air flow through a pipe. There are 3

Card 2/2

P/532/61/000/015/003/003 D237/D308

AUTHOR:

Chomiak, Jerzy, Master of Engineering

TITLE:

The accuracy of measurements of combustion processes in jet engines by means of a simplified combustion gas analysis

SOURCE:

Warsaw. Instytut Lotnictwa. Prace, no. 15, 1961,

TEXT: The author uses theoretical relations to describe the combustion processes and, on the basis of the experimental data, checks the accuracy of simplified methods of analysis of combustion products. He finds that at least three components of combustion products should be determined. Below that number, measurements are satisfactory only over relatively narrow regions, and can be justified only when supplemented by a number of exact measurements. It is found that the determination of fuel vapors in combustion products gives rise to the longest error (indirect determination through the CO2 total/actual ratio), hence its elimination, or an

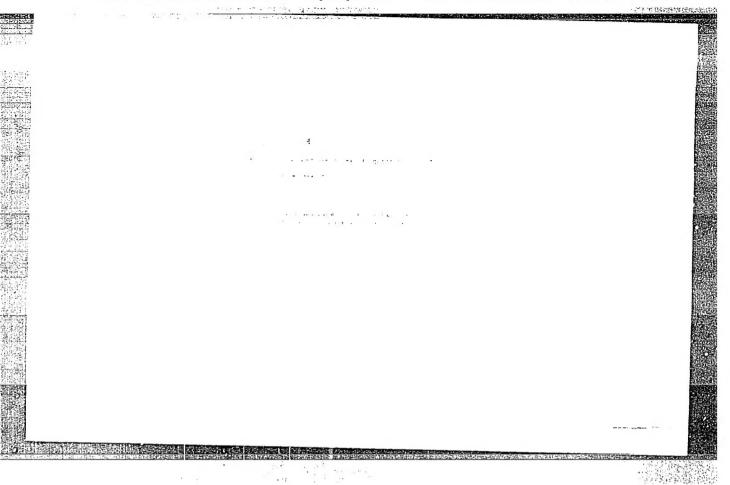
Card 1/2

The accuracy of measurements ... P/552/61/000/015/003/003
improvement of its accuracy, would diminish the total error considerably. There are 4 figures.

SUBMITTED: October, 1961.

CHOMIAK, Jerzy (Warszawa)

Oscillations of a viscous liquid drop of variable mass and properties. Archiw bud masz 10 no.1:29-34 '63.



CHOMIAK, Tadeusz, mgr., inz.

Influence of the Roznow reservoir on the temperature of the Dunajec water in discharge from the reservoir. Gosp wodna 22 no.1:33 162.

1. Zaklad Wod Stojacych Panstwowego Instytutu Hydrologiczno-Meteoro-logicznego.

CHOMIAK, Tadensz, mgr inz.; MIKULSKI, Zdzislaw, mgr inz.

Accumulation of river debris in the Pilchowice Water Reservoir. Gosp wodna 23 no.12:Suppl.:Biul panstw inst hydrol meteorol 6 no.12:477 D'63.

1. Zaklad Wod Stojacych, Panstwowy Instytut Hydrologizno-Meteorologiczny, Warszawa.

Chemiokow, H.

POLAND/Safety Engineering. Sanitary Engineering. Sanitation. L

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 10746

Author Chomiakow, A. Inst Not given

Title The Utilization of CO2 in the Control of Underground

Orig Pub: Przegl. pozrniczy, 1956, Vol 35, No 2, 11-14 (in Polish)

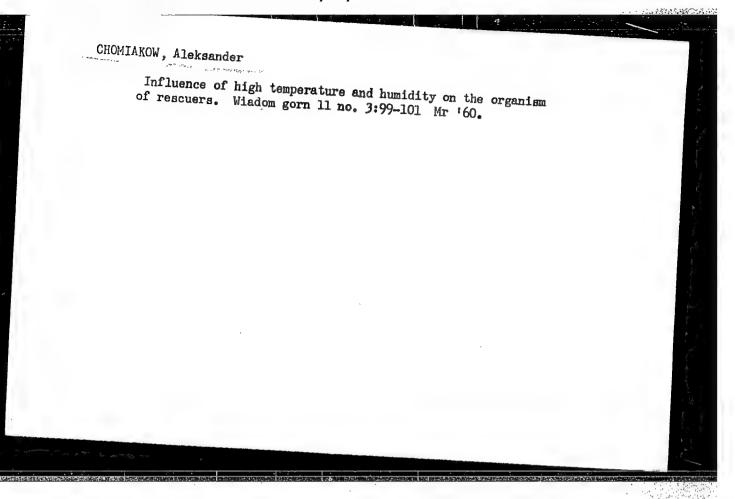
Abstract: A method for the control of underground fires by the use of CO2 is described together with firefighting equipment.

A list of the safety precautions to be followed during

firefighting is given.

Card 1/2

COUNTRY Poland H-6 CATEGORY ABS. JOUR. : AZEThim., So. 16 1959, So. 57571 RORTUA : Fawlikowski, S., Chomiakow, A., Pollo, I., and INST. : Not given : The Explosive Properties of AN-Lime Meal Mixtures TITLE ORIG. PUB.: Przemysl Chem, 13, No 12, 697-699 (1957) ABSTRACT : The authors have investigated the explosive properties of cast and mechanically mixed AN (1)lime meal (II) mixtures. The NH, NO, content of I was 99.9%. The II used contained 55.1% CaO. Grain fractions of 0.50-10.75 mm, 0.20-0.50 mm, and < 0.20 mm and II < 0.75 mm [omission?] were tested. The II content in the mixtures was varied from 0 to 40%. The blasting action (BA) of the mixtures was measured with a Tsybul'skiy pendulum, and a Kast [sic] drop test apparatus was CARD: 1/2 *Okon, N.



(Plowmeters)

PAWLIKOWSKI, Stefan, Prof. Dr. Ing., (Gliwice, ul. M. Strzody 19, Polska); CHOMIAKOW, Anatol, Dipl. Ing. (Gliwice, ul. M. Strzody 19, Polska) New type laboratory gas flowmeters (fleometers). In German. Acta chimica Hung. 21 no.3:269-276 '59. (MEAI 9:5) 1. Polytechnical Institute, Gliwice, Poland.

(Gas flow)

PAWLIKOWSKI, Stefan; SZYMONIK, Stefan; CHOMIAKOW, Anatol

On the hygroscopically active surface of granulated chemical fertilizers. Chemia stosow 4 no.2:243-252 '60. (EEAI 10:3)

l. Katedra Technologii Wielkiego Przemyslu Nieorganicznego Politechniki Slaskiej w Gliwicach.
(Fertilizers and manures) (Chemicals)

CHOMIAKOW, A.

Report on exhibitions organized for rationalization and employees invention movements. Wiadom gorn 12 no.7/8: 249-250 J1-Ag 361.

CHOMIAKOW, Anatol, mgr inz.

Thirty-fourth International Congress of Industrial Chemistry. Chemik 16 no.11:351-352 N '63.

1. Politechnika, Gliwice.

PAWLIKOWSKI, Stefan, prof. dr.inz.; ANIOL, Stanislaw, mgr inz.;
BISTRON, Stanislaw, dr. inz.; CHOMIAKOW, Stanislaw, mgr inz;
SZYMONIK Stefan, mgr inz.

Storing and transportation of neutral armonium carbonate. Chemik 16 no.7/8:187-189 J1-Ag '63.

1. Politechnika Slaska, Gliwice.

BLEJVAS, I.M.; LUKOSKOV, V.S.; MESTECKIN, Ja.I.; CHOMIC, V.B.; SEREL, L.A.; SUBIN, L.V.

Solution of problems of electron optics and high-frequency electronics by mathematical model methods. Cs cas fys 12 no.5/6:439-446 '62.

1. Vybor pro elektronovou techniku, Moskva.

CHOMICKI, Oskar; CZECH, Wlodzimierz; GASIOROWSKI, Wiktor; GORSKI, Tadeusz; HARTWIG, Walenty

Results of the 24-hour thyroid iodine uptake test (T-24) in normal subjects and in patients with thyroid diseases. Polski tygod. lek. 16 no.25:945-948 19 Je '61.

1. Z Osrodka Radioizotopowego Studium Doskonalenia Lekarzy w A.M. w Warszawie; kierownik: prof. dr med. Walenty Hartwig.

(THYROID GLAND metab) (IODINE metab)

GOROWSKI, Tadeusz; CHOMICKI, Oskar; GASIOROWSKI, Wiktor

Clinical significance of thyroid scintgigraphy in the light of our observations. Polskie arch. med. wewn. 31 no.11:1481-1488 '61.

1. Z Osrodka Radiołzotopowego Studium Doskonalenia Lekarzy AM w Warszawie Kierowniki prof. dr med. W.Hartwig.
(THYROID GLAND radiog) (RADIOAUTOGRAPHY)

Functional conditions of the thyroid in Meniere's disease according to clinical and isotope studies. Otolaryng. Pol. 16 no.1:83-86 '62.

1. Z Kliniki Laryngologicznej AM w Warszawie Kierownik: prof. dr. J. Szymanski i Osrodka Radioizotopowego SDL AM Kierownik: prof. W. Hartwig.

(THYROID GLAND physiol) (MENIERE'S DISEASE physiol) (IODINE radioactive)

GOROWSKI, Tadeusz; CHOMICKI, Oskar; ZALUSKA, Jozef

Detection of letent intrathoracic goiters by the scintigraphic method. Polskie arch. med. wewn. 32 no.4:303-314 '62.

1. Z Osrodka Radioizotopowege Studium Doskonalenia Lekar y AM w Warszawie Kierownik: prof. dr med. W.Hartwig i z Pracow i Rentgenodiagnostycznej Miejskiego Szpitala Bielanskiego Kierownik: Jr med. J.Bowkiewicz. (GOITER diag) (RADIOAUTOGRAPHY)

CHOMICKI, Oskar; GOROWSKI, Tadeusz

Theoretical principles and clinical significance of thyroid scintigraphy. Pol. tyg. lek. 17 no.8:308-311 19 F 162.

1. Z Osrodka Radioizotopowego Studium Doskonalenia Lekarzy AM w Warzawie; kierownik: prof. dr med. W. Hartwig.

(THYROID GLAND physiol) (IODINE radioactive)

GASIOHOWSKI, Wiktor; ARASZKIEWICZ, Zuzenna; CHOMICKI, Oskar; CZECH, Wlodzimierz

Secondary thyroid insufficiency determined by the isotope method. Pol. tyg. lek. 17 no.2:51-53 8 Ja 162.

1. Z I Zakladu Chorob Wewnetrznych i Osrodka Izotopowego SDL i Oddzialu Chorob Wewnetrznych Instytutu Gruzlicy w Warszawie; kierownik: prof. dr Walenty Hartwig.

(HYPOTHYROIDISM diag) (PITUITARY GLAND dia)

(IODINE radioactive)

GORSKI, Tadeusz; CHOMICKI, Oskar

Diagnosis of neutral "warm" thyroid nodes independent from thyrotropic hormone. Pol. tyg. lek. 17 no.28:1115-1116 9 Jl *62.

1. Z Osrodka Radioizotopowego Studium Doskonalenia Lekarzy AM w Warszawie; kierownik: prof. dr W. Hartwig.

(RADIOMETRY) (GOITER)

GASIOROWSKI, Wiktor; GOROWSKI, Tadeusz; CHOMICKI, Oskar; CZECH, Wlodzimierz

Radioactive iodine in the diagnosis of thyroid diseases. Pol. arch. med. wewn. 32 no.9:1129-1139 '62.

1. Z Osrodka Radioizotopowego Studium Doskonalenia Lekarzy Akademii Medycznej w Warszawie Kierownik: prof. dr med. W. Hartwig. (THYROID FUNCTION TEST) (IODINE ISOTOPES DIAGNOSTIC)

POLAND

CHOMICKI, Oskar, GOROWSKI, Tadeusz, and ZELENY, Tadeusz; Department of Isotopes (Zaklad Izotopow), First Chair of Internal Diseases (I Katedra Chorob Wewnetrznych), Physicians' Postgraduate Training Program (Studium Doskonalenia Lekarzy), AM [Akademia Medyczna, Medical Academy] in Warsaw (Director: Prof. Dr. W. HARTWIG) and Department (Zaklad) XIII, Institutes of Nuclear Rosearch (Instytut Badan Jadrowych) (Director: Magister, Inzynier, R. PLEJEWSKI)

"Production of \mathbf{I}^{132} and Its Use in 3-Hour Thyroid Uptake

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 34, 19 Aug 63, pp 1249-1251

Abstract: [Authors' English summary modified] Authors describe the method for obtaining I 32 from Tel 32 and report their study on its effectiveness in testing thyroid uptake in normal individuals and patients suffering from various thyroid diseases. They report their findings in 3 figures and 3 tables and conclude that the 3-hour I 32 uptake test is most reliable, and its diagnostic value equal, or better than the T24 I 131 test. 2 Polish and 5 Western references.

CHOMICKI, Oskar; GOROWSKI, Tadeusz; ZELENAY, Tadeusz

Preparation of iodine-132 and its attempted use for the 3-hour thyroid iodine uptake test. Pol. tyg. lek. 18 no.34:1249-1251 19 Ag 163.

1. Z Zakladu Izotopow I Katedry Chorob Wewnetrznych Studium Doskonalenia Lekarzy AM w Warszawie; kierownik: prof. dr W. Hartwig oraz z XIII Zakladu Instytutu Badan Jadrowych; kierownik: mgr inz. R. Plejewski.

(IODINE ISOTOPES, DIAGNOSTIC)

(THYROID FUNCTION TESTS)

CWIAZDOWSKI, Bohdan, CHOMICKI, Oskar; GWIAZDOWSKA, Barbara; SIWICKI, Henryk.

Standardization of the measurement of the thyroid uptake of iodine-131. Nowotwory 13 no.4:373-376 O-D*63.

1. Z Zakladu Fizyki Instytutu Onkologii im. Marii Sklodowskiej-Curie w Warszawie (kierownik: mgr. inz.J.Malesa) i z Zakladu Izotopow SDL w Warszawie (kierownik: prof.dr.med. W.Hartwig)

CHOMICZ, A.

The District Committee of Village Cooperatives at Wolsztny does not care for supplies, p. 7. (ROLNIK SPOLDZIELCA, Warszawa, Vol. 8, no. 3, Jan. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955, Uncl.

CHOMICZ, A.

Second place in the voivodeship, .p.4. (ROLNIK SPOLDZIELCA, Warszawa, Vol. 8, no. 9, Feb. 1955.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, Jan. 1955, Uncl.

CHOMICZ, A.

10 years' work of the village cooperative at Wolsztyn. p. 7. ROLMIK SPOLDZIELCA, Warszawa, Vol. 8, no. 28, July 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

CHOMTCZ, A.

The Trzicel Township Cooperative asks for more independence,

P. 5. (Rolink Spolodzidlea. Vol. 9, (i.e.10) no. 7, Feb. 1957, Warszaw, Poland)

Monthly Index of East European Accessions (EFAI) LC. Vol. 7, no. 2, February 1958

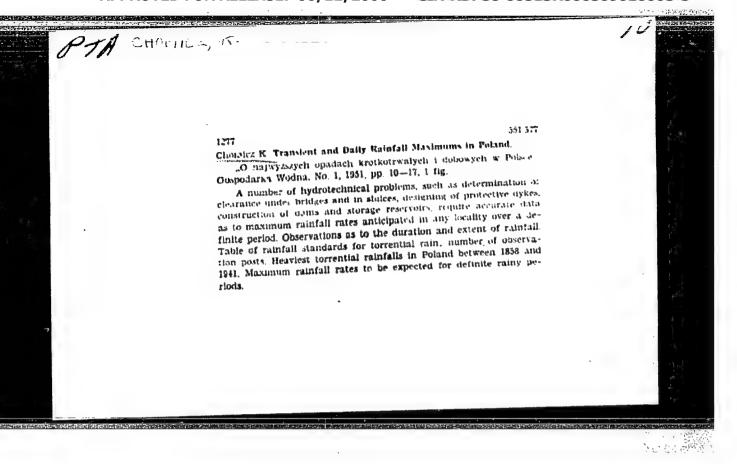
CHOMICZ, Fiwa

General anesthesia with Inactin and Trapanal in gynecological and obstetrical interventions of short duration. (Preliminary communication) Ginek. Pol. 33 no.2:201-208 *62.

1. Z II Kliniki Poloznictwa i Chorob Kobiecych AM w Gdansku Dyrektor Kliniki: doc. dr med. W. Gromadzki.

(BARBITURATES anesth & analg) (GYNECOLOGY anesth & analg) (ANESTHESIA OBSTETRICAL)

11.10 Z. H.		The second secon	Agents Agents
Chomicz H. The Snow Cover and Water Management in Poland, "Pokrywa śnieżna z gospodarka wedom w Polsch", Gospodarka "Wodna, No. 2, 1053, pp. 52 -57, 5 fign. 1 lab. Detailed review of statistical data affecting the water level in the			
in particular months. Close correlation between the intensity of meiting of the snow cover and the level of waters. Analysis of the intensity of evaporation, precipitation rate and water lovel in the river Vistula the water lovel in the river vistular months. Correlation between the precipitation rate and			
outflow from the river Vistula is comprised or spring flood waters. It has, accrease, been found essential to base the water management in Foland on flood waters us a decisive quantitative factor and one winch can readily be anticipated.	•		
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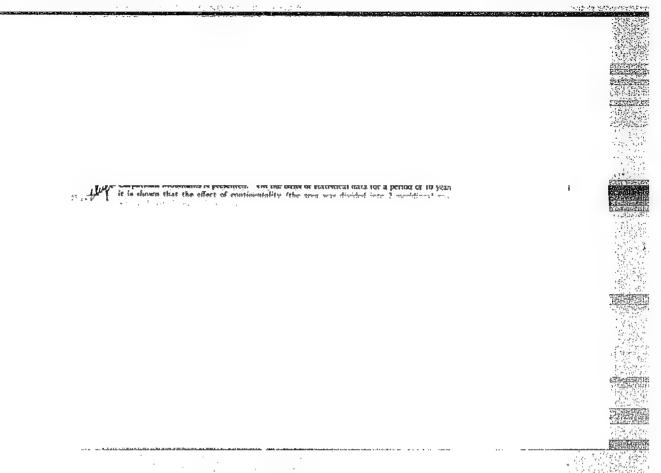
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Meteorological Abst. Vol. 4 No. 2 Feb. 1953 Aqueous Vapor and Hydremeteors

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4.2-204
Chomicz, Kazimierz, W sprawie jednolltoj skali dla klasyfikacji deszczów o duzym nateżeniu. [On a uniform scale for classification of heavy rains.] Przeglad Meteorologiczny i Hydrologiczny, Warsaw, v. 1950-1951:42-56, 1951. 5 figs., table, eqs. English summary p. 56. DWB—A new uniform scale for showers and heavy rains is introduced. The starting point is the prerequisite that maximum rainfall recorded anywhere in the world should be distributed along the curve of the scale. The formulas and tables determining the connection between the amount of rainfall and its duration have a local character although they have a similar course everywhere. Subject Headings: 1. Excessive rainfall 2. Maximum rainfall 3. Rainfall depth duration studies.—A.M.P.

CHOMICZ, Kazimierz: "Ulew" i deszcze nawalne w Polsce" (Heavy Rainfall and Cloudbursts in Poland). Poland Panstwow Instytut Hydrologiczno-Meteoroloziczny, Wiadomosci Sluzby Hydrologiczneji Meteorologicznej, 26(3): 178-260, 1951.



CHOMICZ, K.

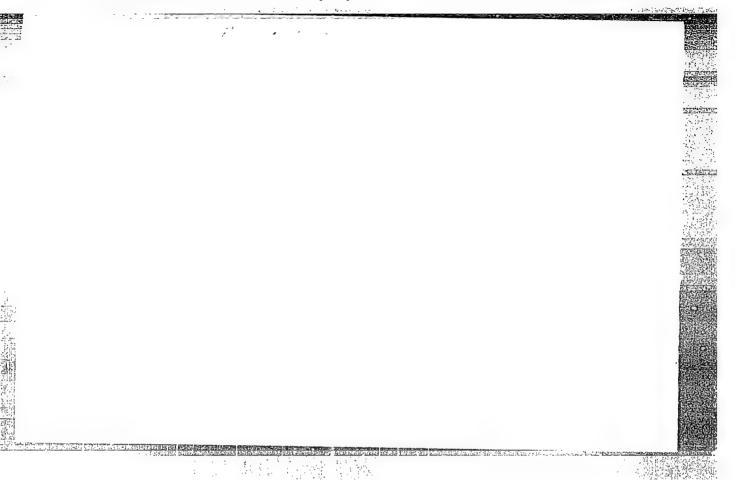
"Connection Between Snow Cover and the Water Supply in Poland." p. 52 (GOSPODARKA WODNA, Vol. 13, No. 2, Feb. 1953) Warszawa

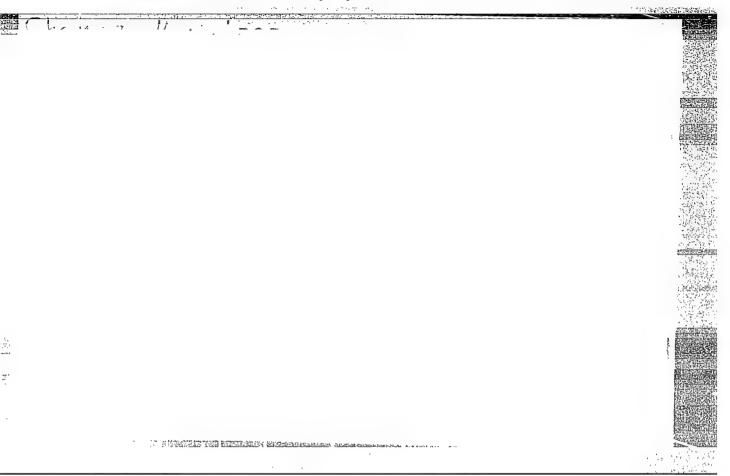
SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 10,0 October 1953. Unclassified.

CHOMISZ, K.

"Application of Studies on Snow Blankets to Hydraulic Engineering."
p. 108, (GOSPODARKA WODNA, Vol. 13, No. 3, Nar. 1953. Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EEAL), IC,
Vol. 3, No. 12, Dec. 1954, Uncl.





CHOMICZ, K.

Scheme of a new calendar. In English.

P. 135 (ACTA GEOFHYSICA FOL NICA) Poland, Vol. 5, No. 2, 1957.

SO: Monthly Index of East European Acessions (AEEI) Vol. 6, No. 11, November 1957.

Chomicz, K.

The course and results of a visit to China and Vietnam, September 20-December 8, 1956; on the Warsaw-Moscow-Peking road. p.12

(Gazeta Obserwators. P.I.H.M. Vol. 10, no. 4, April 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

CHCMICZ, K.

The course and results of a visit to China and Vietnam; Peiping. p. 12. (Gazeta Obserwatora, P.I.H.M., Vol. 10, No. 5, May 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000509010008-8"

Chomicz, K.

The course and results of a visit to China and Vietman; Peking. Pt.2. p.9 (Gazeta Obserwatora. P.I.H.M. Vol. 10, no. 6, June 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

Chomicz, K.

Zdzislaw Swirski; an obituary. p.3.

(Gazeta Obserwators. P.I.H.M. Vol. 10, no. 6, June 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

CHOMICZ, K.

CHOMICZ, K.

The course and results of a visit to China and Vietnam. Pt. 4. On the way to Hanoi.

P. 6 (Gazeta Obserwatora) Vol. 10, No. 7, July 1957, Warszawa, Poland

1

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. VOL. 7, NO. 1, JAN. 1958

CHOMICZ K.

CHOMICZ, K.

The course and results of a visit to China and Vietsam. Pt. 5. The expedition to Chapa and the stay in the jungle. (To be contd.)

P. 8 (Gazeta Obserwatora) Vol. 10, no. 8, 340. 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. VOL. 7, NO. 1, JAN. 1958

CHOMICZ K.

"The course and results of a visit to China and Vietnam. Pt. 5. Expedition to Chapa and our stay in the jungle."

p. 11 (Gazeta Obserwatora, P.I.H.M.) Vol. 10, no. 10, Oct. 1957 Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

CHOMICZ, K.

"The course and results of a visit to China and Vietnam. Pt. 6. Leaving Kienan and going toward the South China Sea."

p. 7 (Gazeta Obserwatora, P.I.H.M.) Vol. 10, no. 11, Nov. 1957 Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

CHO. ICZ, K.

The precipitation in Zakopane. p. 207.

GACGRAFIA W SZKULE. (Ministerstwo Oswiaty. Folskie Towarzystwo Geograficzne) Warszawa. Foland. Vol. 12, no. 2, Mar./Apr. 1959.

Monthly List of East European Accessions (EEAI) IC. Vol. 8, no. 7,/1359.

Uncl.

CHOMICZ, K.

3d Congress of the World Meteorological Organization. p.ll.

GAZETA OBSERWATORA. P.I.H.M. Warszawa, Poland. Vol. 12, no. 7, July 1959.

Monthly List of East European Accessions Index (EEAI), LC. Vol. 8, No. 9, September 1959 Uncl.

P/027/60/000/01/09/013

AUTHOR:

TITLE:

Third Conference of the Polish-Czechoslovak Commission for Permanent Collaboration in Meteorological and Climatological Matters of the

PERIODICAL:

Przeglad Geofizyczny (d. Przeglad Meteorologiczny i Hydrologiczny)

1960, No. 1, pp 82 - 84

This article contains the report of the III Conference of the Polish-Czechoslovak Commission for permanent collaboration in meteorological and climatological matters of the Tatra Region, held in Zakopane from June 8-12, 1959. The conference was organized by the Polskie Towarzystwo Meteorologiczne i Hydrologiczne (Polish Meteorological and Hydrological Society). Representatives of the Komitet Geofizyczny PAN (Geophysical Committee of the Polish Academy of Sciences), the Panstwowy Instytut Hydrologiczno-Meteorologiczny (State Hydrological and Meteorological Institute) and the Polish Meteorological and Hydrological Society took part in the Conference from the Polish side. The Czechoslovak side was represented by members of the Slovak Academy of

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P/027/60/000/01/09/013

Third Conference of the Polish-Czechoslovak Commission for Permanent Collaboration in Meteorological and Climatological Matters of the Tatra Region

Sciences, the Meteorological and Climatological Laboratory of the University imeni Komenski in Bratislava and the Hydrological and Meteorological Institutes in Prague and Bratislava. The conference was opened by Professor Doctor J. Lambor. It was presided by Professor M.Konček. After several papers had been read (among others by Docent K.Chomicz, Professor M.Konček, Docent Orlicz and Doctor Otruba) and discussed, the conference passed a resolution concerning the program for the nearest future. It was agreed to hold the next conference in Bratislava in November 1959.

Card 2/2

CHOMICZ, Kazimierz, dr., docens; PECZELY, Gyorgy [translator]

Snow and avalanche research in the Tatra Mountains. Idojaras 66 no.3:138-146 My Je 162.

1. Lengyel Hidrologiai es Meteorologiai Szolgalat munkatarsa, Warsaw.

CHOMICZ, K.

Second International Conference on the Meteorology of the Carpathian Mountains. Przegl geofiz 7 no.3:206-208 '62.

CHOMICZ, Kazimierz

Influence of local conditions on the course of meteorological elements. Przegl. geofiz. 8 no.1/2:11-19.63.

1. Polski Instytut Hydrologiczno-Meterorologiczny, Warsmawa.

Investigations on directed variability of Proteus hauseri; effect of extracts and autolysates produced from Proteus X19 and from serologically heterogenous strains of the species. Med. dosw. midrob. 6 no.4:409-418 1954.

1. Z Zakladu Bakteriologii Akademii Medycznej w Lodzi. Kierownik: prof. dr Zygmunt Szymanowski.
(PROTMUS.

hauseri, directed variability by Proteus X19 & Proteus hauseriheterogenous strains extracts & autolysates)

CHOMICZENSKI, Jan; UBYSZ-JERZWANOWSKA, Krystyna

Induced variability of Aerobacter aerogenes and escherichia coli. Med. dosw. mikrob. 8 no.1:11-15 1956.

1. Z Zakladu Bakteriologii A. W. w Lodsi. Kierownik: prof. dr.

Z. Szymanowski.

(AEROBACTER AEROGENES, variability, induced. (Pol)) (ESCHERICHIA COLI, same. (Pol))

CHOMICZEWSAL. J.

CHOMICZEWSKI, Jan; FRANCIKOWSKA, Alicja; KULARSKA, Irena; LEWICKA, Jolanta; LUFT, Anna, NOWAK, Krystyna; STETKIEWICZ, Stanislaw; ZURKOWSKI, Jan

Characteristics of Corynebacterium diphtheriae strains from endemic focus in Lodz in 1955 & 1956. Przegl. epidem., Warsz 11 no.4:371-383 1957.

1. Ze stacji Sanatarno-Epidemiologicznej M. Lodzi (Dyrektor: dr J. Zansk) przy wspołudziale: Iaboratorium Szpitala Zakazngeo im. S. Bieganskiego i Iaboratorium Szipala Dzieciecego im. J. Korczaka.

(CORYNERACTERIUM DIPHTHERIAE

characteristics of Polish strains (Pol))

Poland/Microbiology. General Microbiology

F

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57453

Author

: Jan Chomiczewski, Krystina Ubysz-Jerzmanowska

Inst

: Not given

Title

: Further Investigation of Induced Variability of Proteus Hauseri (Filtrating Forms, L Forms, and

Attempts of their Transformation)

Orig Pub

: Med. doswiad. i mikrobiol., 1957, 9, No 1,

101-106

Abstract : The results of experiments which were carried out to determine the effect of penicillin on the variability of Proteus hauseri are described. Strains which differed from the original and possessing a sharply marked polymorphism were obtained. In prolonged passages in a medium without penicillin no reversion to the initial form was noted. Streptomycin was not active in this

respect. Five illustrations.

Card 1/1

POLAND / Microbiology. Human and Animal Pathogons. Coryncbactoria.

F

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5622.

: Chomiczewski, J.; Francikowska, A.; Kularska, 1.; Lowicka, J.; Luft, A.; Nowak, K.; Stotkiew-Author icz, S.; Zurkowski, J.

: Not givon.

Inst : Characteristics of Corynobacterium Diphthoriae Title Strains Isolated During the 1955-6 Endemic in the City of Lodz.

Orig Pub: Przegl. epidemiol., 1957, 11, No 4, 371-383.

Abstract: The properties of 276 diphtheria strains isolated from 260 patients in the city of Lodz, which the author considers an endemic center of diphtheria, were studied. Of all strains, 53.4% were of the gravis type; 26.2% were of

Card 1/3

58

APPROVED FOR RELEASE: 06/12/2000d 6r@1A3RBP86-00513R000509010008-8" POLAND / Microbiology. Corynobacteria.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5622.

Abstract: the "incomplete" gravis type, differing from the classic (gravoid McLeod) type in sortain respects; 1.9% bolonged to the mitis type; and 1.2% to the intermedius type; in 17.3% of strains, the type was not established. The Zurkowski study of 1936 showed considerable predominance of the mitis type. Of 169 strains isolated from patients in 1952, Swinarska found 63.5% gravis type; 10.5% "incomplote" gravis typo; 10.7% mitis typo. Comparing the evolution and distribution of diphtheria pathogens observed in Lodz with the proposed McLeod scheme of a 25-year cycle (mitisintermodius-gravis-gravoid-mitis), the authors consider that the maximum prevalence of the gravis type in the Lodz area has passed; the

Studies on combined effect of phage B and of certain antibiotics on the processes of toxinogenic variability of Corynebacterium diphtheriae. Med. dosw. mikrob. 10 no.3:297-307 1958.

1. Z Zakladu Bakteriologii A. M. w Lodzi.

(ANTIBIOTICS, effects,

on Corynebacterium diphtheriae toxin prod. (Pol))

(BACTERIOPHAGE.

B, eff. on Corynebacterium diphtheriae toxin prod. (Pol))

(COHYNERACTERIIM DIPHTHERIAE,

toxin prod., eff. of antibiotics & phage B (Pol))

CHOMIC ZEWSKI J

Odon Bujwid. 30.XI.1857 — 26.XII. 1942. Acta Microb.polon. 9: 9-32 1959.

1. Z Zakladu Bakteriologii Akademii Medycznej w Lodzi. (BIOGRAPHIES)

Biochemical types of Salmonella typhi and their relation to the lysotype. Med.dosw.mikrob. 12 no.3:189-194 160.

1. Z Regionalnego Osrodka Typowania Bakteriofagowego Enterobacteriaceae Stacji Sanitarno-Epidemiologicznej m. Lodzi Direktor Stacji: dr J.Zanski

(SALMONELLA TYPHOSA chem)

Observations on the dynamics of bacteriophage-types of Salmonella typhi in an endemic environment. Med.dosw.mikrob. 12 no.3:195-203 160.

1. Z Regionalnego Osrodka Typowania Bakteriofagowego Enterobacteriaceae Stacji Sanitarno-Epidemiologicznej m. Lodzi Dyrektor Stacji: dr J.Zanski (SALMONELLA TYPHOSA) (BACTERIOPHAGE)

New Vi bacteriophage and its application in supplementary lysotyping of the type T1 of Salmonella typhi. Med.dosw.mikrob. 12 no.3:205-207 160.

1. Z Regionalnego Osrodka Typowania Bakteriofagowego Enterobacteriaceae Stacji Sanitarno-Epidemiologicznej m Lodzi Dyrektor Stacji: dr J.Zanski (SALMOHELLA TYPHOSA) (BACTERIOPHAGE)

CHOMICZEWSKI, J.

The influence of the antibiotics on the factors determining phagetype specificity in Salmonella typhosa. Bul Ac Pol biol 8 no.7: 311-315 '60. (EEAI 10:4)

1. Regional Center of Phage Typing, Public Health Laboratory, Lodz. Presented by E.Mikulaszek.

(ANTIBIOTICS) (BACTERIOPHAGE) (SALMONELLA TYPHOSA)

CHOMICZEWSKI, Jan

Studies on phage and biochemical typing of Salmonella typhi. I. Variability of phage types in endemic environments. Med.dosw.mikrob. 13 no.3:217-228 61.

1. Z Regionalnego Osrodka Typowania Bakteriofagowego Enterobacteriaceae Stacji Sanitarno-Epidemiologicznej m. Lodzi.

(SALMONELLA TYPHOSA) (BACTERIOPHAGE)

CHOMICZEWSKI, Jan

Studies on phage and biochemical typing of Salmonella typhi. II. Induced variability of phage types. Med.dosw.mikrob. 13 no.3:229-239 61.

1. Z Regionalnego Osrodka Typowania Bakteriofagowego Enterobacteriaceae Stacji Sanitarno-Epidemiologicznej m. Lodzi.

(SALMONELLA TYPHOSA) (BACTERIOPHAGE)

CHOMICZEWSKI, Jan

Studies on phage and biochemical typing of Salmonella typhi. III. Induced variability of biochemical types. Med.dosw.mikrob. 13 no.4: 323-336 61.

1. Z Regionalnego Osrodka Typowania Bakteriofagowego Enterobacteriaceae Stacji Sanitarno-Epidemiologicznej m. Lodzi.

(SALMONELLA TYPHOSA)

CHOMICZEWSKI J.

FOL AND

CHOMICZEWSKI, Jan and CHROMINSKA, Hanna, Clinic of Infectious Diseases (Klinika Chorob Zakaznych), AM [Akademia Modyczna, Medical Academy] in Lodz (Director: Prof. Dr. J. CHRZANOWSKI) and the Sanitary and Epidemiological Station (Sanitarno-Epidemiologiczna Stacja) in Lodz (Director: Dr. J. ZDANSKI)

"Phage-Type Salmonella Typhi and Clinical Picture of Typhoid Fewer."

Warsaw, Przeglad Epidemiologiczny, Vel 16, No 3, 62, pp 273-280.

Abstract: [Authors' English summary modified] The course and clinical symptoms of 200 cases of typhoid fever caused by different phage types of S. typhi were studied. Despite prevailing opinions, some statistically significant though not conclusive differences were demonstrated, particularly for types C1 and the D group, and the possibility of the existence of distinct pathogenic properties is discussed. Study will be pursued. Of the 46 references, about 15 are Polish, and the remainder predominantly English.

1/1

CHOMICZEWSKI, Jan, doc. dr.; MIHCALIK, Halina

Lysogenic conversion of the Ol ant'ren of the Salmonella gallinarum-pullorum serotype. Med. dosw. mikrobiol. 16 no.4: 269-273 164

1. Z Zakladu Mikrobiologii Lekarskiej Wojskowej Akademii Medycznej w Lodzi (Kierowniki doc. dr. J. Chomiczewski).

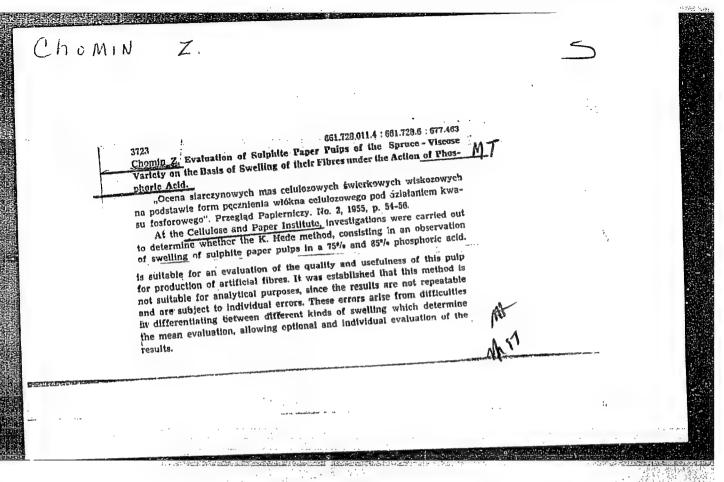
CHOMICZ, Witold, prof.

On work for the Polish book. Poligrafika 13 no.8:1-2 Ag 161.

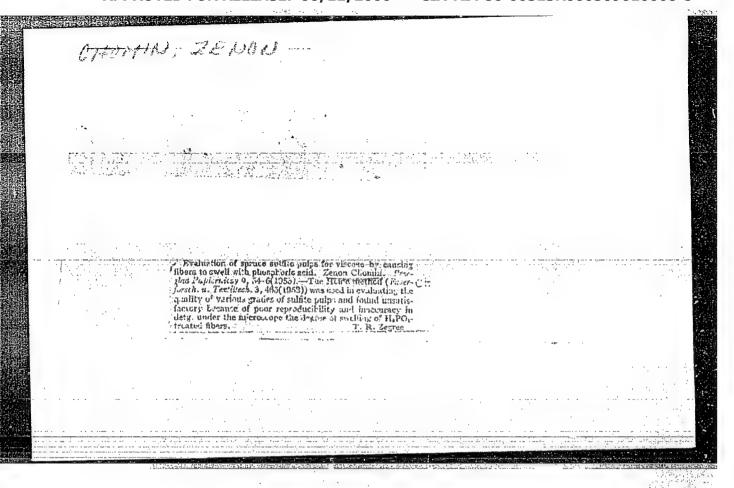
1. Zespolowa Katedra Grafiki Ksiazki i Zaklad Grafiki Uzytkowej Akademii Sztuk Pieknych, Krakow.

"APPROVED FOR RELEASE: 06/12/2000

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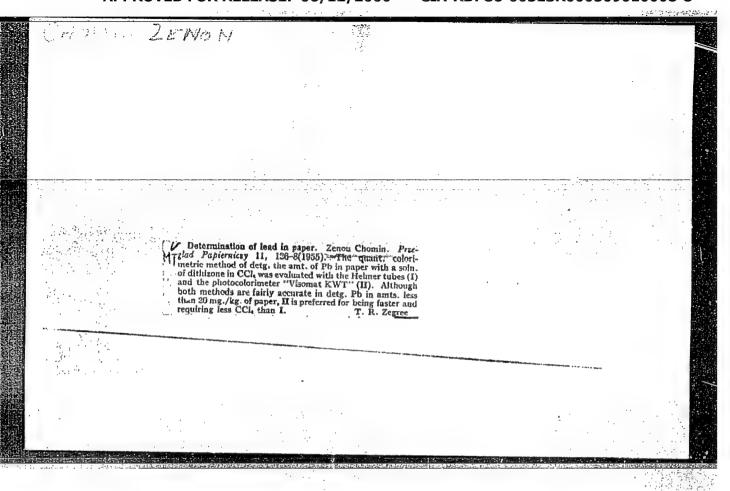


CHOIGH, Z.

"Evaluating Sulfite Scruce Wood Fulp for Viscosity on the Basis of the Swelling of Cellulose Fibers Treated with Phosphoric Acid", p. 54, (PRZEGLAD PARTERNICZY, Vol. 11, No. 2, Feb. 1955, Lodg, Polend)

SO: Monthly List of East European Accessions, (MMAL), LC, Vol. 4, No. 5, May 1955, Uncl.

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000509010008-8



K-5

Chomin, Stasinski

POLAND/Chemical Technology. Chemical Products and their

Applications. Cellulose and Cellulose Products.

Paper

Abs Jour: Ref Zhur-Khimiya, 1958, No 1, 3293

Author : Chomin, Stasinski

Inst : Title : The Use of Reed Pulp in the Production of Printing Paper

and Stationery

Orig Pub: Przegl. papiern, 1957, 13, No 4, 102-108.

Abstract: Experiments on the use of pulp from the reed Phragmites

communis in the production of grade V printing paper and stationery (60% cellulose and 40% wood pulp) are des-

cribed. Adding 10% of reed pulp into the paper pulp will improve the structural properties of the paper but impair its

mechanical properties (in particular it will decrease the

Card : 1/2

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000509010008-8

K-5

POLAND/Chemical Technology. Chemical Products and their

Applications. Cellulose and Cellulose Products.

Paper.

Abs Jour: Chomin, Stasinski

number of double bands. Adding 20% of reed pulp into the paper pulp will hamper the technological process, namely, the sticking of fibers to the wet presses will be observed.

Card : 2/2

CHOMIN, Zenon, mgr inz.

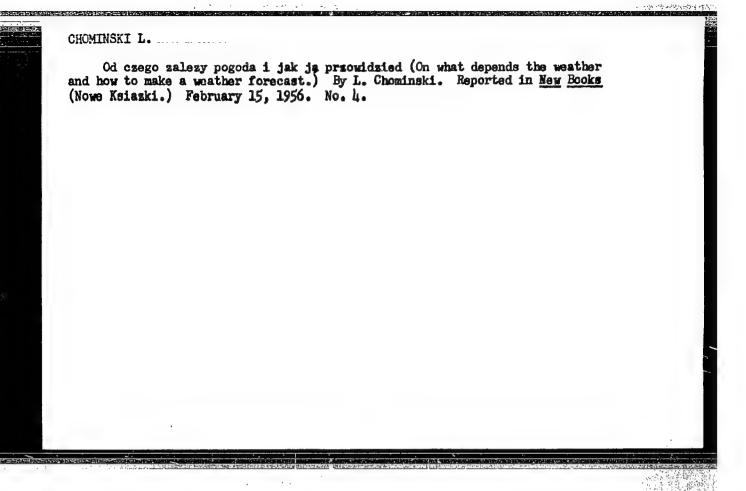
Studies on obtaining fibrous sulfate pulp masses from prehydrolyzed beechwood. Pt. 1. Przegl papier 19 no.1:4-10 Ja 163.

1. Instytut Celulozowo-Papierniczy, Lodz.

PUSTEINIK, Czeslaw; CHOMIK, Zenon; STUPINSKA, Halina

Beechwood as raw material for Polish cellulose and paper industry. Przegl papier 19 no.12: 386-390 D'63.

1. Instytut Celulozowo-Papierniczy, Lodz.



CHOMISZCZAK, Stefan; KASPRZYK, Elzbieta; CZYZEWICZ, Jerzy

Transparent vulcanizers and cellular rubbers from butyl. Polimery tworz wielk 7 no.10:376-378 0 162.

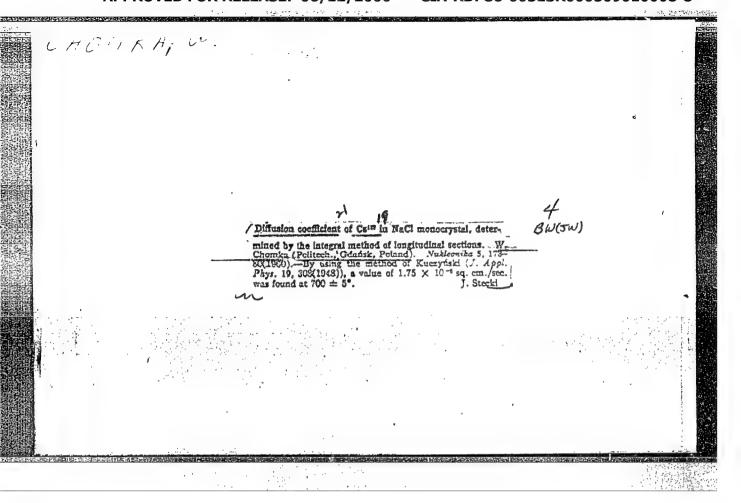
1. Instytut Przemyslu Gumowego, Warszawa.

CHOMIUK, T.; MACISZEWSKA-SZOPLIK, M.; ORUCHOWSKA, L.

Research on processing municipal refuse into fertilizer. p. 211

GAZ, WODA I TECHNIKA SANITAFNA (Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Sanitarnych, Ogrzewnictwa i Gazownictwa) Warszawa, Poland. Vol. 33, no. 5, May 1959

 M_{o} nthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, September 1959 Uncl.



P/046/60/005/010/003/009 D246/D302

AUTHORS:

Chomka, Władysław and Andruszkiewicz, Josef

TITLE:

Diffusion of tin, zinc and cobalt in single crystals

and polycrystals of tin

PERIODICAL:

Nukleonika, v. 5, no. 10, 1960, 611-615

TEXT: The present work is a continuation of previous investigations of diffusion of tin and indium conducted by other workers. A single crystal of tin, obtained by the Bridgman method Abstractor's note: Method not described in the form of a rod, was cut in discs (diameter 13 mm, thickness 5 mm). Thin layers (in the order of 1 micron) of radioactive tin, zinc and cobalt were deposited respectively by electrode position on these discs. The radio isotopes used were Sn, Sn and Co. The diffusion experiments were conducted in sealed, evacuated glass capsules placed in a resistance furnace whose temperature was controlled to ± 3 C. The coefficient of diffusion D in the direction of 45 to the major axis of the crystal was measured by removing a thin layer Card 1/3

P/046/60/005/010/003/009 D246/D302

Diffusion of tin ...

from the sample and determining the β activity of the sample by the integral remainder method. The activity was measured by the window counter G-M. The successive layers (thickness 7-20 µ) were removed by precision lathes to an accuracy of + 1 u. The graph of the logarithm of the intensity of radiation of the removed layers against the square of the depth gave a straight line with the slope α . The diffusion coefficient D was calculated from D = 1/4 ta, where t is the time of heating the sample in hours. D for polycrystals of tin was determined in the same manner. Results are given in tabulated form. D was found to be dependent on the diffusion temperature, and the relationship can be expressed as -Q/RT where Q is the activation energy for a given process. Both $D = D_{a exp}$ D and Q can be found from the graph of l D against 1/T where T is the temperature in degrees absolute. An examination of polished sections of polycrystals of tin shows that the grain size increases with the rise in heating temperature (i.e., the boundary area between grains decreases). The diffusion coefficient is different along these boundaries from that in the body of the grain. The measured D, for polycrystals of tin, is, Card 2/3

P/046/60/005/010/003/009 D246/D302

Diffusion of tin...

therefore, the effective coefficient to which both modes of diffusion contribute. The comparison of D for a single crystal with that for polycrystals shows that the difference between them decreases with rise in the diffusion temperature. This is closely related to the increase in grain size of the polycrystals since at higher temperature the contribution of the diffusion in the body of the grain to the total diffusion is high. The results obtained were in good agreement with the work of others in this field. The discrepancies were caused by diffusion being anisotropic. There are 4 figures, 2 tables and 3 references: 1 Sovietbloc and 2 non-Soviet-bloc. The references to the English language publications read as follows: P. J. Fensham: Austral. J. Sci. Res. 3, 91 (1950); A. Sawatzky: J. Appl. Phys. 29, 1303 (1958).

ASSOCIATION: Politechnika Gdańska, Gdańsk, katedra fiziki II (The

Gdansk Polytechnic, Department of Physics II)

SUBMITTED: July, 1960

Card 3/3

CHOMKA, Wladyslaw

Measurement of the diffusion coefficient of caesium in monocrystal of NaCl with the integral method of longitudinal section. Nukleonika 5 no.4:173-180 160.

1. Politechnika Gdanska, Gdansk, Katedra Fizyki II

CHOMKA, Wladyslaw; ANDRUSZKIEWICZ, Jozef

Doffusion of tin, sinc and cobalt in mono- and polycrystals of tin. Nukleonika 5 no.10:611-615 '60.

1. Politechnika Gdanska, Gdansk, Datedra Fizyki II

24.7500 ,

S/058/62/000/009/033/069 A006/A101

AUTHORS:

Chomka, Wł., Andruszkiewicz, J.

TITLE:

Tin, zinc and cobalt diffusion in single and polycrystals of tin

PERIODICAL: Referativnyy zhurnal, Fizika, no. 9, 1962, 54, abstract 9E381 ("Pierwsze krajowe sympoz. zastosowań isotopów techn., Rogów, 8 - 12 czer., 1960", Warszawa, 1961, no. 7, Polish; summaries in

Russian and English)

The method of "integral residue" with the aid of Sn115, Zn65 and TEXT: The method of "integral residue" with the aid of Sn 2, 2n 2 and Co⁶⁰ radioactive isotopes was used to measure diffusion coefficients of Sn, 2n and Co in single and polycrystals of Sn in a 140 - 217°C temperature range. The temperature dependence of the diffusion coefficient was obtained for singlecrystal specimens.

· [Abstracter's note: Complete translation]

Card 1/1

CHOMKA, Wladyslaw

Diffusion of cadmium in magnesium-cadmium alloy of a composition close to that of MgCd alloy. Nukleonika 7 no.2:75-79 162.

1. Katedra Fizyki (II), Politechnika, Gdansk

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000509010008-8"

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